



ONKYO®

DVD Player

DV-SP302

Instruction Manual

Thank you for purchasing an Onkyo DVD Player.
Please read this manual thoroughly before making connections and turning on the power.
Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new DVD Player.
Please retain this manual for future reference.



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En

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safeguards

- Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
 - Retain Instructions** – The safety and operating instructions should be retained for future reference.
 - Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
 - Follow Instructions** – All operating and use instructions should be followed.
 - Cleaning** – Unplug the appliance from the wall outlet before cleaning. The appliance should be cleaned only as recommended by the manufacturer.
 - Attachments** – Do not use attachments not recommended by the appliance manufacturer as they may cause hazards.
 - Water and Moisture** – Do not use the appliance near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
 - Accessories** – Do not place the appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the appliance. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
 - An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
 - Ventilation** – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the appliance on a bed, sofa, rug, or other similar surface. The appliance should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 5 cm (2 in.) and an opening behind the appliance.
 - Power Sources** – The appliance should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
 - Grounding or Polarization** – The appliance may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
 - Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
 - Lightning** – For added protection for the appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges.
 - Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
 - Object and Liquid Entry** – Never push objects of any kind into the appliance through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.
 - Servicing** – Do not attempt to service the appliance yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
 - Damage Requiring Service** – Unplug the appliance from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power-supply cord or plug is damaged,
 - If liquid has been spilled, or objects have fallen into the appliance,
 - If the appliance has been exposed to rain or water,
 - If the appliance does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to its normal operation,
 - If the appliance has been dropped or damaged in any way, and
 - When the appliance exhibits a distinct change in performance – this indicates a need for service.
 - Replacement Parts** – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
 - Safety Check** – Upon completion of any service or repairs to the appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operation condition.
 - Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
 - Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Liquid Hazards** – The appliance should not be exposed to dripping or splashing and no objects filled with liquids, such as vases should be placed on the appliance.

PORTABLE CART WARNING



S3125A

Precautions

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT." So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

DANGER:

VISIBLE LASER AND INVISIBLE RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. DO NOT STARE INTO THE LASER BEAM.

CAUTION:

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

The label below is applied on the rear panel except for USA and Canadian models.

**CLASS 1 LASER
PRODUCT**

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

For U.S. model

The laser is covered by a housing which prevents exposure during operation or maintenance. However, this product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health) which is a department of the Food and Drug Administration. According to their regulations 21 CFR section 1002.30, all manufacturers who sell Laser Products must maintain records of written communications between the manufacturer, dealers and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please feel free to write to the address on the back page of this manual. When you write us, please include the model number and serial number of your unit.

In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel.

FCC INFORMATION FOR USER

CAUTION:

User changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For Canadian model

This class B digital apparatus complies with Canadian ICES-003. For models having a power cord with a polarized plug:

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Modèle pour les Canadien

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.


Sur les modèles dont la fiche est polarisée:

ATTENTION: POUR ÉVITER LES CHOCES ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Precautions

1. Regional Restriction Codes (Region Number)

Regional restriction codes are built into DVD Players and DVD video media for each sales region. If the regional code of the DVD Player does not match one of the regional codes on the DVD video, playback is not possible.

The regional number can be found on the rear panel of the DVD Player (e.g.,  for Region 1).

2. About This Manual

This manual explains the basic procedures for operating the DVD Player. Some DVD video discs do not support the full potential of the DVD technology. Your DVD Player may therefore not respond to all operating commands. Refer to instruction notes on discs.

3. Recording Copyright

Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.

4. Power

WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where the unit will be used meets the required voltage (e.g., AC 120 V, 60 Hz or AC 100-240 V, 50/60 Hz) written on the rear panel.

5. Do Not Touch the Unit with Wet Hands

Do not handle the unit or power cord when your hands are wet or damp. If water or any other liquid enters the case, take the unit to an authorized service center for inspection.

6. Location of the Unit

- Place the unit in a well ventilated location.
Take special care to provide plenty of ventilation on all sides of the unit especially when it is placed in an audio rack. If ventilation is blocked, the unit may overheat and malfunction.
- Do not expose the unit to direct sunlight or heating units as the unit's internal temperature may rise and shorten the life of the pickup.
- Avoid damp and dusty places and places directly affected by vibrations from the speakers. In particular, avoid placing the unit on or above one of the speakers.
- Be sure the unit is placed in a horizontal position. Never place it on its side or on a slanted surface as it may malfunction.
- When you place the unit near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the unit away from the TV, radio, or VCR.

7. Care

From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out, and wipe off the dirt. Following this, dry immediately with a clean cloth.

Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

8. Notes on Handling

When shipping the unit, use the original shipping carton and packing materials. For maximum protection, repack the unit as it was originally packed at the factory.

- Do not use volatile liquids, such as insect spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a long time. They will leave marks on the finish.
- The top and rear panels of the unit may become warm after a long period of use. This is not a malfunction.
- When the unit is not in use, be sure to remove the disc and turn off the power.
- If you do not use the unit for a long period, the unit may not function properly in the future. Turn on and use the unit occasionally.

9. To Obtain a Clear Picture

The unit is a high technology, precision device. If the optical pickup lens and disc drive parts are dirty or worn, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

10. Notes on Moisture Condensation

Moisture condensation damages the unit.

Please read the following carefully.

• What is moisture condensation?

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pickup lens inside the unit, one of the most crucial internal parts of the unit.

• Moisture condensation occurs in the following cases.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold air flow from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.

• Do not use the unit when moisture condensation may occur.

If you use the unit in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After a few hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.

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Notes on Discs

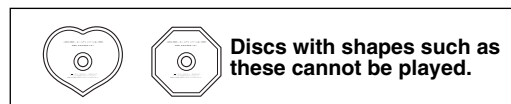
Playable Discs

This DVD Player can playback the following discs.

	Disc Mark
DVD Videos	
VIDEO CDs	
Audio CDs	
CD-Rs ^{*1} CD-RWs ^{*1}	   

^{*1} This unit can play CD-R and CD-RW discs recorded in CD Audio or Video CD format, with MP3/WMA audio files or with JPEG image files. However, there may be some discs that cannot be played back with this unit. The causes of this include incomplete disc finalization, recording characteristics of the recorder as well as disc properties, damage or stains on the disc in use, and stains or condensation on the pickup lens of this unit. For details, please refer to the instruction manual of the recorder.

- You cannot playback discs other than those listed above.
- This unit can play DVD-R, DVD+R, DVD-RW, and DVD+RW discs, but depending on the recording unit, the disc manufacturer, etc., playback sometimes may not be possible.
- This player cannot playback any of the following discs.
 - DVD AUDIO discs
 - DVD-ROM discs
 - DVD-RAM discs
 - SACD discs
 - CD-ROM discs (Except MP3, WMA and JPEG discs [ISO 9660 level 1 or 2])
 - VSD discs
 - CDV discs (Only the audio part can be reproduced)
 - CD-G/CD-EG/CD-EXTRA discs (Only the audio can be reproduced)
 - Photo CD discs (Never attempt to play them)
- This DVD Player uses the PAL/NTSC color system, and cannot playback DVD videos recorded in any other color system (SECAM, etc.).
- Avoid using heart-shaped or octagonal discs. Playing irregularly shaped discs may damage the internal mechanism of the DVD Player.



- Do not use discs that have residue from adhesive tape, rental discs that have peeling labels, or discs that have custom labels or stickers. Otherwise, you may not be able to eject the discs or the DVD Player may become inoperative.

About playing copy-controlled CDs

Some audio CDs feature copy protection that doesn't conform to the official CD standard. Since these are nonstandard discs, they may not play properly in the DV-SP302.

Notes on Copyright

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission. DVD videos are copy protected, and any recordings made from these discs will be distorted.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

About Video CDs

This DVD Player supports Video CDs equipped with the PBC (Version 2.0) function (PBC is the abbreviation for Playback Control). You can enjoy two playback variations depending on the type of disc.

- **Video CD not equipped with PBC function (Version 1.1)**
Sound and movies can be played on this DVD Player in the same way as an audio CD.
- **Video CD equipped with PBC function (Version 2.0)**
In addition to operation of a VIDEO CD not equipped with the PBC function, you can enjoy playback with interactive software and search function using the menu displayed on the TV screen (Menu Playback). Some of the functions described in this Instruction Manual may not work with some discs.

MP3/WMA/JPEG Compatibility

- This unit will play CD-R, and CD-RW discs containing files saved in the MPEG-1 Audio Layer 3 (MP3) or Windows Media Audio (WMA) format with a sampling rate of 32*, 44.1 or 48 kHz, and JPEG format. Incompatible files will not play. Disc may be ejected automatically or "NO DISC" will be displayed.
* This unit will not play 32 kHz WMA files encoded at 20 kbps.
- Fixed bit rate MP3 files are recommended. Variable bit rate (VBR) MP3 files are playable, but playing times may not be shown correctly.
- This player is compatible with WMA data encoded using Windows Media Player version 8 (or less) or Windows Media Player for Windows XP.
- This player is not compatible with lossless encoding or variable bit rate (VBR) WMA files.
- WMA files encoded with DRM (Digital Rights Management) copy protection will not play. Disc may be ejected automatically or "NO DISC" will be displayed.
- WMA/MP3/JPEG discs must be ISO 9660 Level 1 or 2 compliant. CD physical format: Mode1, Mode2 XA Form1. Romeo and Joliet file systems are both compatible with this player.
- Use CD-R or CD-RW media for recording your files. The disc must be finalized (i.e., the session must be closed) in order to play in this unit.
- This player only plays tracks that are named with the file extension .mp3, .MP3, .wma, .WMA, .jpg or .JPG.
- When naming MP3, WMA and JPEG files, add the corresponding file name extension (.mp3, .wma or .jpg). Files are played according to the file extension. To prevent noise and malfunctions, do not use these extensions for other kinds of files.
- Folder and track names (excluding the file extension) are displayed.
- There are many different recording bit rates available to encode MP3 files. This unit was designed to be compatible with all of them. Audio encoded at 128 Kbps should sound close to standard audio CD quality. This player will play lower bit rate files, but please note that the sound quality becomes noticeably worse at lower bit rates.
- The DV-SP302 can play Exif format pictures supporting JPEG. It is capable of playing at the maximum resolution of 5120x3840 for the baseline format, 2048x1536 for the progressive JPEG format.

When saving files onto media

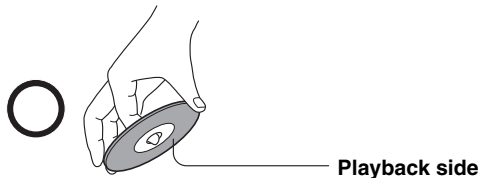
Ensure that the session is closed or finalized when data has been written on media. There are cases where media on which the session has not been closed or finalized will not be played back correctly with this equipment.

- There are cases where the folder names and file names will not be displayed correctly depending on the software used to save them.
- Do not store files or folders other than MP3, WMA or JPEG on media to be played back with this equipment.
- It is recommended that ten or less sessions are stored when recording MP3 files onto a media.
- In case of a multisession disc, some time may be required until playback begins.
- There are cases where playback is not possible when MP3/WMA/JPEG files (CD-ROM) and music CD information (CD-DA) are saved on the same media.

Notes on Discs

Handling Discs

- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.



Cleaning Discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl LPs, as these may damage the disc.

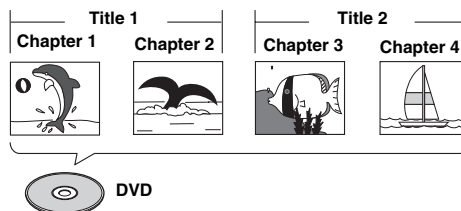
Storing Discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs that are outside of their case may cause warping.

Differences in Disc Composition

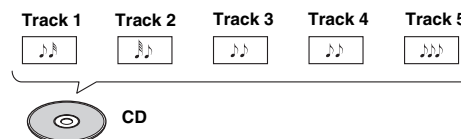
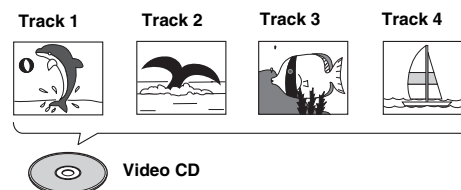
■ DVD

All discs are divided into smaller, more manageable sections so that you can find specific content more easily. DVDs are divided into one or more titles. Each title may be further divided into several chapters. Occasionally, a chapter may contain index points, effectively dividing the chapter into several parts.



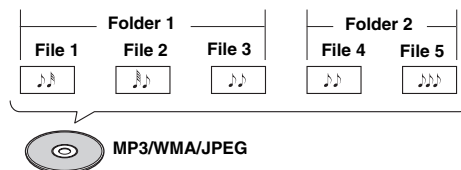
■ Video CD/CD

Video CDs and CDs are divided into a number of tracks. In rare cases, a track may contain a number of index points, effectively dividing the track into several parts.



■ MP3/WMA/JPEG

MP3 (MPEG1 Audio Layer 3) and WMA (Windows Media Audio) are compressed audio file formats. JPEG is a format for saving image files, such as those containing digital photographs or illustrations. Tracks within folders are automatically numbered T_001, T_002, etc.



Features/Supplied Accessories

Features

- Plays DVD Video Discs, Video CDs, CDs
- 10-bit Video DAC
- Simultaneous output to all video connections
- Digital outputs pass DTS^{*1}, Dolby[®]*2 Digital and PCM Signals
- Built-In Dolby[®] Digital decoder
- Full-function remote controller
- Direct Digital Path
- Pass 96 kHz PCM digital stream
- CD-R and CD-RW playable
- MP3/WMA^{*3} CD Playback
- JPEG CD Playback
- Progressive Scan Video Output
- PAL Progressive (Not on American model)
- VLSC^{*4} (Vector Liner Shaping Circuitry)

^{*1} "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

^{*2} Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

^{*3}



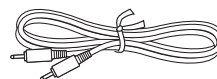
Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

^{*4} An original Onkyo D/A converter that enables Pulse Noise Reduction.

Supplied Accessories

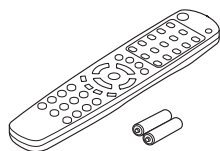
Make sure your box contains everything listed below.
If any pieces are missing, contact your nearest Onkyo dealer.
The number of accessories is indicated in brackets [].

RI cable [1]



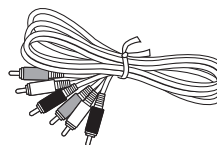
Cable used for system connections to an Integra/Onkyo component with an **RI** jack
(The components will not function as a system with only **RI** connections. Be sure to connect the analog RCA/phono connection cables correctly as well).

Remote controller (RC-575DV) [1]

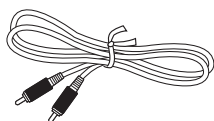


Batteries (size AAA/R03) [2]

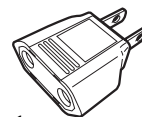
Audio/video cable (RCA/phono) [1]



Coaxial cable [1]



Conversion plug [1]



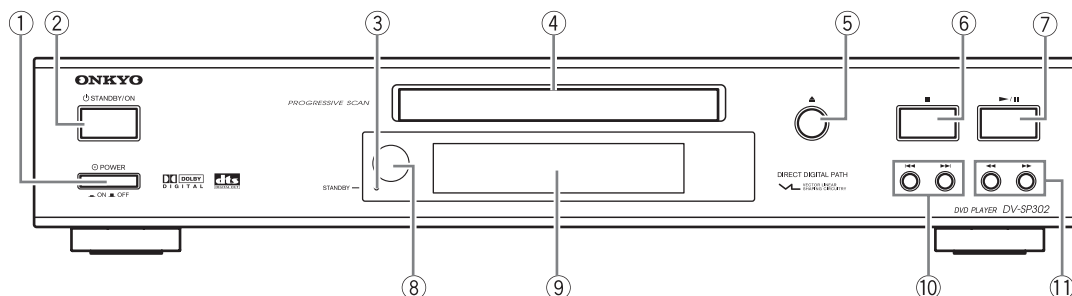
This plug is not supplied for certain regions. Shape may vary depending on the area in which it was purchased. Use this plug if the power cord plug of the DV-SP302 does not fit your AC outlet.

In catalogs and on packaging, the letter added to the end of the product name indicates the color of the DV-SP302.
Specifications and operations are the same regardless of color.

Control Position and Names

Front Panel

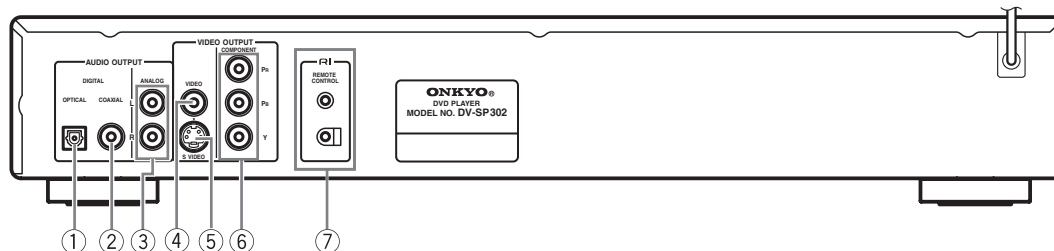
For operational instructions, see the page indicated in brackets [].



- ① **POWER button [17]**
Turns on the main power supply.
- ② **STANDBY/ON button [17]**
Toggle for standby and on.
- ③ **STANDBY indicator [17]**
Lights in the standby mode.
- ④ **Disc tray [18]**
- ⑤ **Open/Close ▲ button [18]**
Press to open or close the disc tray.
- ⑥ **Stop ■ button [18]**
Stops playing a disc. When a disc is playing, if you press **Stop ■** and then press **Play ►**, the disc will resume play. When **Stop ■** is pressed again during stop mode, the resume function is canceled.
- ⑦ **Play/Pause ►/II button [18]**
Begins to play disc (close disc tray first if it is open). Temporarily stops playback when a disc is playing. Press this button again for normal playback.
- ⑧ **Remote Control sensor [13]**
- ⑨ **Display [11]**
- ⑩ **Skip ◀◀/▶▶ buttons [19]**
Allows you to move to the previous chapter or track/the next chapter or track on a disc.
- ⑪ **Search ◀◀/▶▶ buttons [19]**
Allows you to search through a disc while it is in play mode. The search speed changes each time you press this button.

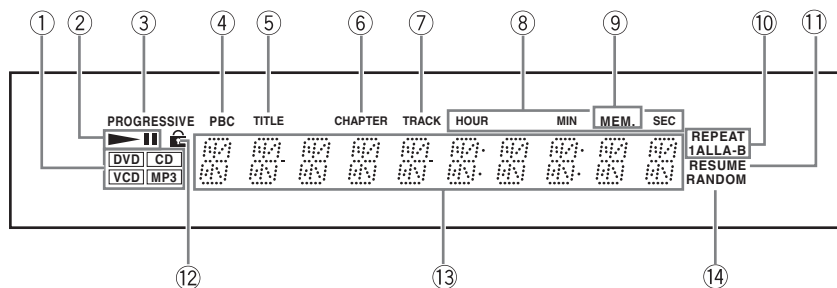
Rear Panel

For operational instructions, see the page indicated in brackets [].



- ① **DIGITAL OUTPUT OPTICAL jack [16]**
Use optical cable to connect your DVD Player to an AV component that features digital input capability. If the component has a Dolby Digital or DTS decoder, you can enjoy theater-quality multichannel sound.
- ② **DIGITAL OUTPUT COAXIAL jack [16]**
Use coaxial cable to connect your DVD Player to an AV component that features digital input capability. If the component has a Dolby Digital or DTS decoder, you can enjoy theater-quality multichannel sound.
- ③ **ANALOG OUTPUT jacks [15-16]**
Insert audio cables (left and right) to these jacks on your DVD Player and to the corresponding Audio Input jacks (left and right) on your TV or receiver.
- ④ **VIDEO OUTPUT VIDEO jack [15]**
Connect a video cable to this jack and to the Video Input jack on your TV.
- ⑤ **VIDEO OUTPUT S VIDEO jack [15]**
If your TV has a S-Video jack, you can connect an S-Video cable to your TV and to your DVD Player for improved video quality. The S-Video cable only carries the video signal; remember to connect the left and right audio cables.
- ⑥ **VIDEO OUTPUT COMPONENT (Pr/Pb/Y) jacks [15]**
If your TV has component inputs, you can connect a component video cable to your TV and to your DVD Player for ideal video quality. The component video cable only carries the video signal; remember to connect the left and right audio cables. If you connect a TV that is compatible with a Progressive scan signal, you can enjoy both Interlaced and Progressive scans.
- ⑦ **RI jacks [16]**
Connect **RI** (Remote Interactive) cable to this jack and to another Onkyo AV component for synchronized control.
Note
You must make an analog RCA/phono connection, even if you connect digitally.

Display



- ① **Disc indicators**
Indicates the type of disc currently loaded.
- ② **Play/Pause indicators**
Illuminates in play or pause mode.
- ③ **PROGRESSIVE indicator**
Illuminates when the DVD Player is set to progressive mode.
- ④ **PBC indicator**
Illuminates when PBC is on for Video CD.
- ⑤ **TITLE indicator**
Illuminates to indicate the current title number.
- ⑥ **CHAPTER indicator**
Illuminates to indicate the current chapter number of DVD disc.
- ⑦ **TRACK indicator**
Illuminates to indicate the current track number of Video CD or CD.
- ⑧ **Time indicator**
Indicates playing time.
- ⑨ **MEM. indicator**
Illuminates during memory playback.
- ⑩ **REPEAT indicator**
Illuminates during repeat playback.
- ⑪ **RESUME indicator**
Illuminates when the player is ready to resume playback.
- ⑫ **Parental Lock indicator**
Illuminates in parental lock mode.
- ⑬ **Multifunction indicator**
Indicates operating status, messages, etc.
- ⑭ **RANDOM indicator**
Illuminates during random playback.

■ Display Examples

During DVD video playback:

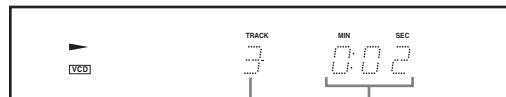


Playing chapter 3 of title 2 Time information of the current chapter

Notes

Some discs may not display chapter numbers.

During Video CD playback:

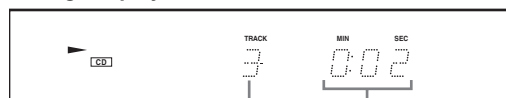


Playing track 3 Time information of the current track

Note

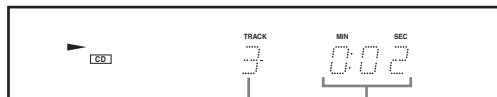
Some discs may not display track numbers or elapsed time.

During CD playback:



Playing track 3 Time information of the current track

During MP3/WMA audio playback:

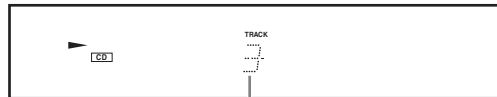


Playing track 3 Time information of the current track

Note

Track number is consecutive.

During JPEG image playback:

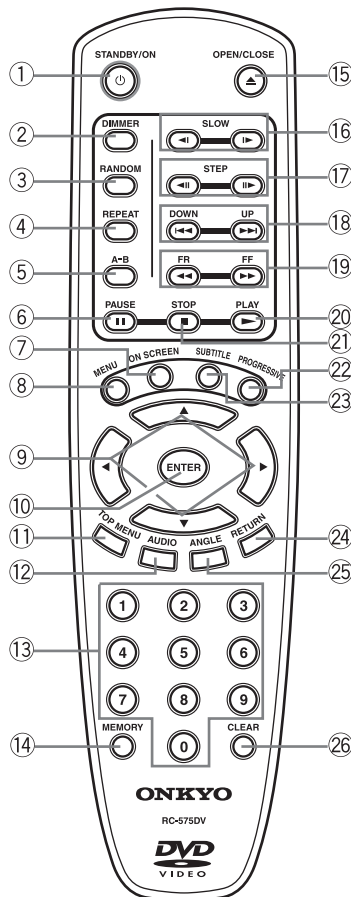


Playing 3rd image

Control Position and Names

Remote Controller

For operational instructions, see the page indicated in brackets [].



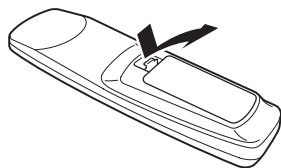
- ① **STANDBY/ON button [17]**
Toggle for standby on and off.
- ② **DIMMER button [17]**
Toggle to control the lightness of the display (3 steps).
- ③ **RANDOM button [25]**
Press to random playback.
- ④ **REPEAT button [25]**
Press to repeat playback. You can repeat a title, chapter, track or an entire disc.
- ⑤ **A-B button [26]**
Press to play section A-B repeatedly.
- ⑥ **PAUSE button [19]**
Temporarily stops playback when a disc is playing. Press **PLAY ►** button for normal playback.
- ⑦ **ON SCREEN button [26, 28]**
Press this button while you're playing a disc to see the information about the disc you're playing. While stopped, press to see Setup Menu.

- ⑧ **MENU button**
Displays the DVD Disc Menu on the TV screen.
- ⑨ **Cursor buttons (▲/▼/◀/▶)**
Use the cursor buttons to select the items or settings.
- ⑩ **ENTER button**
Press this button to select and execute a highlighted menu item.
- ⑪ **TOP MENU button [19]**
Press to call up the top menu programmed on the DVD. Depending on the DVD, the top menu may be identical to DVD menu or title menu. When playing a Video CD equipped with PBC function, DVD Player will automatically enter the PBC on mode. Press once to turn PBC off and press again to turn on.
- ⑫ **AUDIO button [27]**
Press to select from among various audio languages on a disc. When playing a Video CD, press to select the audio channel.
- ⑬ **Number buttons (0~9) [21]**
Select numbers by pressing these buttons.
- ⑭ **MEMORY button [22-24]**
Press to see Program edit display on the screen in stop mode.
- ⑮ **OPEN/CLOSE button [18]**
Press to open or close the disc tray.
- ⑯ **SLOW ◀I/I▶ buttons [19]**
Allows you to play movies in slow mode. Each time you press this button, slow speed will be changed. In the case of Video CD, reverse SLOW cannot be activated.
- ⑰ **STEP ◀II/II▶ buttons [19]**
Freezes a picture when a disc is playing. Also the picture advances frame by frame each time you press these buttons. In case of Video CD, reverse STEP cannot be activated.
- ⑱ **DOWN ◀◀ / UP ▶▶ buttons [19]**
Allows you to move to the previous chapter or track/the next chapter or track on a disc.
- ⑲ **FR ◀◀ / FF ▶▶ buttons [19]**
Allows you to search in reverse or forward through a disc while it is in play mode. Each time you press these buttons, search speed changes.
- ⑳ **PLAY ► button [18]**
Begins to play disc (close disc tray first if it is open).
- ㉑ **STOP ■ button [18]**
Stops playing a disc. When a disc is playing, if you press **STOP ■** and then press **PLAY ►**, the disc will resume play. When **STOP ■** is pressed again during stop mode, the resume function is canceled.
- ㉒ **PROGRESSIVE button [28]**
When component video connection is used to connect this player and TV is compatible with progressive, press to enjoy the progressive video image. Press again to restore the interlace mode.
- ㉓ **SUBTITLE button [27]**
Press to select from among various subtitle languages on a disc.
- ㉔ **RETURN button [29]**
When you're using the DVD Player's menu system, press this button to return to the preceding menu screen.
- ㉕ **ANGLE button [27]**
Press to select various camera angles on a disc.
- ㉖ **CLEAR button [23, 24]**
Press to clear entered values and settings.

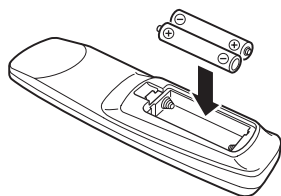
Preparing the Remote Controller

Inserting the Batteries

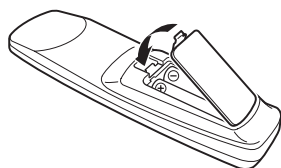
- ① Remove the battery compartment cover by pressing the tab and lifting up the cover.



- ② Insert the two batteries (size AAA/R03).
Be sure to match the + and – ends of the batteries with the diagram inside the battery compartment.



- ③ Replace the battery compartment cover.

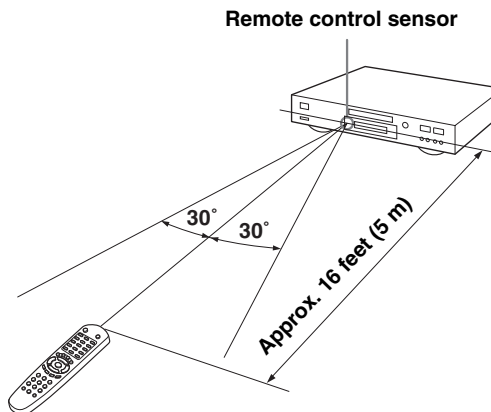


Notes

- Do not mix new batteries with old batteries or different kinds of batteries.
- To avoid corrosion, remove the batteries if the remote controller is not to be used for a long time.
- Remove dead batteries immediately to avoid damage from corrosion. If the remote controller does not operate smoothly, replace both batteries at the same time.
- The life of the batteries supplied is about six months but this will vary depending on usage.

Using the Remote Controller

Point the remote controller toward the remote control sensor.



Notes

- Place the unit away from strong light such as direct sunlight or inverted fluorescent light which can prevent proper operation of the remote controller.
- Using another remote controller of the same type in the same room or using the unit near equipment which uses infrared rays may cause operational interference.
- Do not put any object such as a book on the remote controller. The buttons of the remote controller may be pressed by mistake and drain the batteries.
- Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation.
- If there is any obstacle between the remote controller and the remote control sensor, the remote controller will not operate.

Making Connections

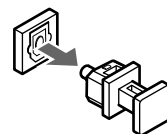
To accommodate a wide range of home entertainment systems, this player features numerous connection types for both audio and video. Please refer to the instructions on this and the following pages to determine the best possible type of connections for your system.

Before Making Any Connections

- Read the manuals supplied with your AV components.
- Don't connect the power cord until you've completed and double-checked all audio and video connections.

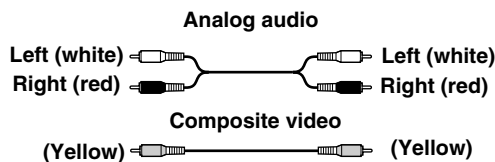
Optical digital terminals

The optical digital terminals are provided with protection caps. Before you connect a cable to a terminal, remove the cap and keep it safely. If you disconnect the cable, put the cap back on the terminal.

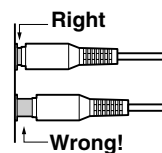


RCA/phono AV connection color coding

RCA/phono AV connections are usually color coded: red, white, and yellow. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs.



- Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions).
- To prevent interference, keep audio and video cables away from power cords and speaker cables.



AV Cables & Sockets

Video

Cable	Socket	Description
Component video cable 		Component video separates the luminance (Y) and color difference signals (PR, PB), providing the best picture quality (Some TV manufacturers label their component video sockets slightly differently).
S-video cable 		S-Video separates the luminance and color signals and provides better picture quality than composite video.
Composite video cable 		Composite video is commonly used on TVs, VCRs, and other video equipment. Use only dedicated composite video cables.

Audio

Cable	Socket	Description
Optical digital audio cable 		Offers good sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for coaxial.
Coaxial digital audio cable 		Offers good sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for optical.
Analog audio cable (RCA/phono) 		This cable carries analog audio. It's the most common connection format for analog audio, and can be found on virtually all AV components.

Connecting to a TV

This player has 3 kinds of video output jacks. Select one of the following connections.

- Video jack connection: Use the supplied audio/video Connection Cable to connect.
- S-Video jack connection: For higher quality video than video jack connection.
- Component jack connection: For higher quality video than S-video jack connection.

Note

The DVD Player can output NTSC or PAL format video depending on the setting on page 30. Make sure your TV supports the disc's video format.

■ If your TV has component input connector (necessary for progressive function)

Video connection

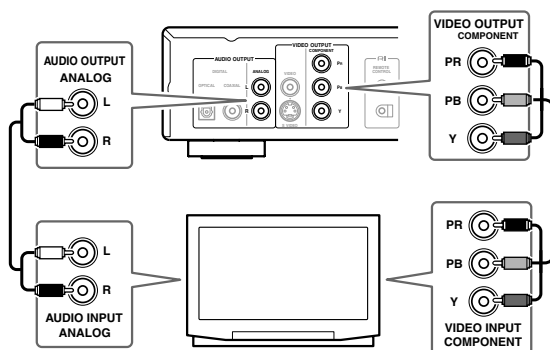
Using a component video cable (sold separately), connect the VIDEO OUTPUT COMPONENT jacks to the corresponding component video input jacks on the TV. Actual labels for component video inputs may vary depending on the TV manufacturer (e.g., Y, R-Y, B-Y or Y, CB, CR). In some TVs or monitors, the color levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

Note

This connection is necessary to use progressive function. To view Progressive scan video, you need a TV with Progressive scan capability. Please check your TV's manual.

Audio connection

Using the supplied audio/video cable, make audio connections from the ANALOG OUTPUT L and R jacks to the corresponding audio input jacks on the TV.



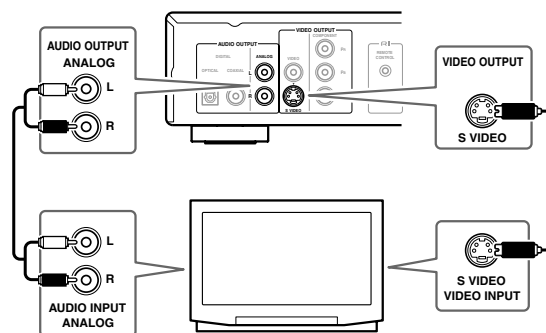
■ If your TV has S-Video input connector

Video connection

Using an S-video cable (sold separately), connect the VIDEO OUTPUT S VIDEO jack to the corresponding S-video input jack on the TV.

Audio connection

Using the supplied audio/video cable, make audio connections from the ANALOG OUTPUT L and R jacks to the corresponding audio input jacks on the TV.



■ If your TV has video input connector

Video connection

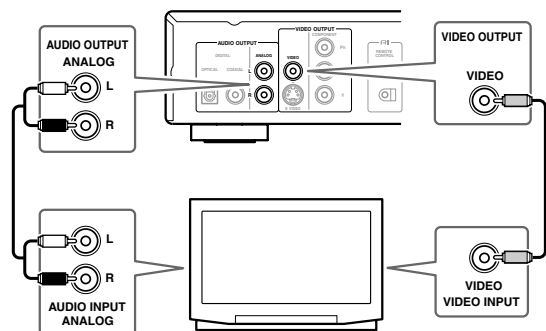
Using the supplied audio/video cable, make video connection from the VIDEO OUTPUT VIDEO jack to the corresponding video input jack on the TV.

Audio connection

Using the supplied audio/video cable, make audio connections from the ANALOG OUTPUT L and R jacks to the corresponding audio input jacks on the TV.

Note

Be sure to match the colors of the plugs on the cable with the corresponding jacks on the DVD Player and the TV: yellow for video, red for R (right) audio and white for L (left) audio.



Making Connections

Connecting to an Amplifier (To enjoy the sound advantages of the DVD Player)

Although you can reproduce the DVD Player's sound from the TV speakers with the connections on page 15, connecting to an amplifier provides you with higher quality dynamic sounds.
To reproduce Dolby Digital surround and DTS surround sound, you need to connect to an amplifier with a Dolby Digital and DTS decoder, respectively.

About R I

When connected with an Onkyo amplifier via **R I**, your DV-SP302 can be controlled using the remote controller supplied with the amplifier.

- The function of the upper and lower **R I** connectors are the same. Connect to either one.
- **Connecting only the R I cable does not make the system operational. You must also connect the analog RCA/phono cables as well.**

■ Digital connection

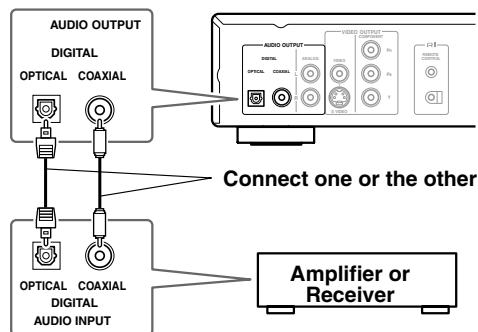
If your amplifier has a digital input jack, be sure to connect it to either DIGITAL OUTPUT OPTICAL or COAXIAL jack on the DVD Player.

Note

In the Digital Out setting (page 29), you can select whether the DV-SP302 will output the PCM signal only, the PCM and other signals, or no digital signals at all.

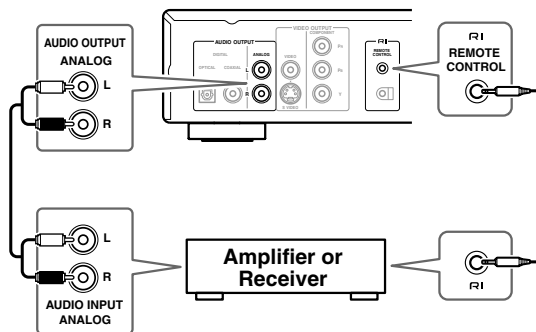
To use R I function:

When you make **R I** connection between the DV-SP302 and Onkyo's amplifier, be sure to make analog connections as well.



■ Analog connection (necessary for R I function)

If your amplifier has no digital audio input, or when you use **R I** function, make the analog connection.



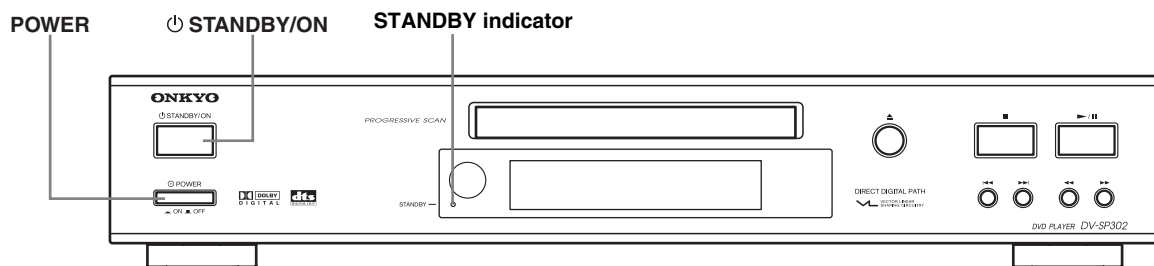
Turning On

Connecting the POWER

The DV-SP302 is shipped with the main power (**POWER**) switch in the on position (▲ON). When the power cord is plugged in for the first time, the DV-SP302 will automatically enter the standby mode and the STANDBY indicator will light (same condition after step 2 below).

Notes

- Make sure that all appropriate connections have been completed as described on pages 14 to 16.
- Turning on the DVD Player may cause a momentary power surge, which might interfere with other electrical equipment such as computers. To prevent interference, use a wall outlet on a different circuit.



1 Plug the power cord into the power outlet on the wall.

2 Press **POWER** to switch on the main power.

The DVD Player enters standby mode.
The STANDBY indicator lights up.

3 Press **STANDBY/ON** on the DVD Player or remote controller.

The DVD Player turns on and the STANDBY indicator turns off. It takes several seconds to read the disc in the disc tray.

- To put the DVD Player in the standby mode, press **STANDBY/ON** on the DVD Player, or remote controller.

Notes

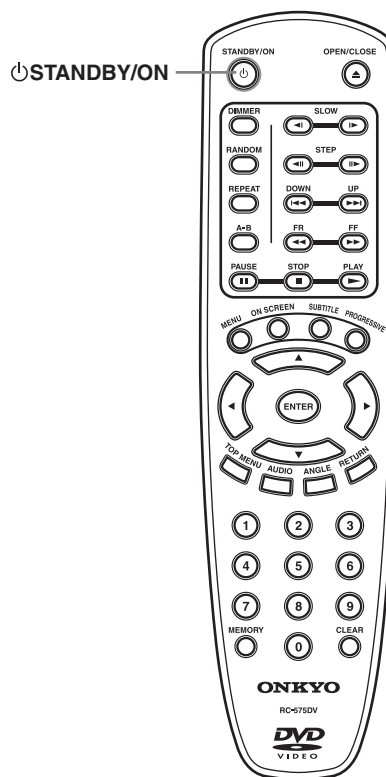
- You can turn on the DVD Player by pressing **OPEN/CLOSE ▲** or **PLAY/PAUSE ►/II**.
- Setting the **STANDBY/ON** button to standby does not shut off the power completely.
- While the STANDBY indicator lights up, the DVD Player can receive signals from the remote controller. However, if you press **POWER** on the DVD Player to switch off the main power, the remote controller cannot be used to turn on the DVD Player.
- To switch off the main power, press **POWER** again.

Using DIMMER function

Press **DIMMER** to change the display brightness.

Each time **DIMMER** is pressed, the display brightness of the unit changes as shown below.

Normal → Dim → Dimmer → Normal



Basic Playback

Before playing

- Turn on the TV and set the TV to the DVD Player's input.
- Turn on the audio system and set it to the DVD Player's input, if an audio system is connected to the DVD Player.
- DVD video, Video CD, CD, MP3, WMA, and JPEG can be played with the DVD Player (see "Notes on Discs" on pages 6 to 8). Do not attempt to play any other types of discs/formats.

About the marks on the pages related to disc operation

means the function or title is related to DVD video operation.

means the function or title is related to Video CD operation.

means the function or title is related to audio CD operation.

means the function or title is related to MP3/WMA sound operation. Both MP3 and WMA are referred to as MP3 in the following pages.

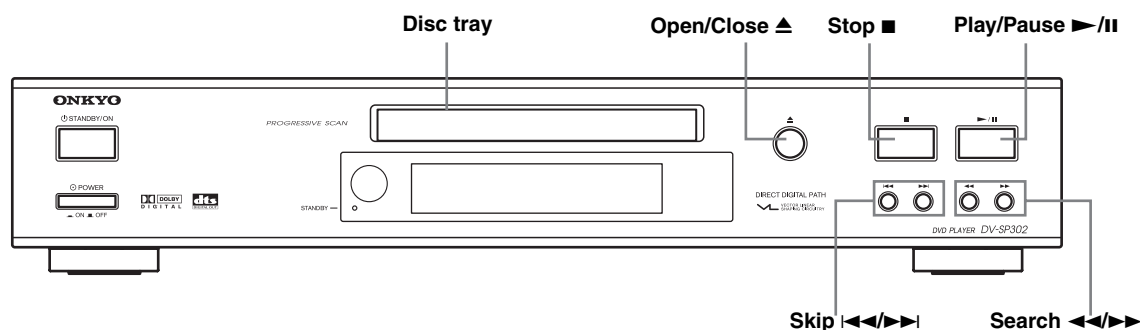
means the function or title is related to JPEG image operation.

Warning

If the DVD Player is connected to the TV or amplifier through the analog audio jacks, do not play DTS-encoded discs. Excessive noise may be output from the analog stereo jacks, which may damage the connected equipment.

To reproduce DTS surround sounds, digital connection to an amplifier with a DTS decoder is needed.

Starting Playback



1 Press Open/Close ▲.

The disc tray opens. If the DVD Player is in standby mode when the **Open/Close ▲** button is pressed, the DVD Player turns on and the disc tray opens. In this case, it takes several seconds until the disc tray opens.

2 Place a disc on the disc tray.

Put the disc in the tray with the label side facing up. The tray has two different disc guide sizes. Place the disc in the correct guide on the disc tray.

3 Press Play/Pause ►/II.

The disc tray closes and playback starts. The appropriate disc indicator lights.

For the other information that appears in the display, see page 11.

If the DVD Player is in standby mode when **Play/Pause ►/II** is pressed, the DVD Player turns on and playback starts. In this case, it takes several seconds until playback starts.

Tip to obtain a higher quality picture

Occasionally, some picture noise not usually visible during a normal broadcast may appear on the TV screen while playing a DVD video because the high resolution pictures on these discs include a lot of information. While the amount of noise depends on the TV you use, you should generally adjust the TV to reduce sharpness when viewing DVD videos.

■ To stop playback

Press Stop ■.

When you press **Play/Pause ►/II** to restart playback, playback continues from the location where you stopped playback because the location index is stored in memory.

For MP3/WMA/JPEG playback, see page 20.

Notes

- The location where playback resumes may vary depending on the disc or the scene where you stopped.
- Press **Stop ■** again after stopping playback to clear the location index memory, then press **Play/Pause ►/II** to start playback from the beginning.

■ To remove the disc

Press Open/Close ▲ to open the disc tray.

Remove the disc after the disc tray opens completely.

After removing the disc, be sure to press the button again to close the tray.

CAUTION

Keep your fingers well clear of the disc tray as it is closing.

Neglecting to do so may cause serious personal injury.

Various Playback Functions

DVD VCD CD MP3

■ To play in fast reverse (FR) or fast forward (FF)

Press **FR/FF** ◀◀/▶▶ during playback.

Each press of the same button changes the playback speed.
To resume normal playback, press **PLAY** ▶.

Note

The DVD Player mutes sounds and omits subtitles during fast reverse and fast forward.

DVD VCD CD MP3 JPEG

■ To skip chapters or tracks

Press **DOWN/UP** ◀◀/▶▶ during playback.

The chapter (track or file) in the direction of the button pressed is skipped, and the selected chapter (track or file) will be played from the beginning. When **DOWN** ◀◀ is pressed once during playback, the chapter (track or file) being played will be played from the beginning.

DVD VCD CD MP3

■ To pause playback (still mode)

Press **PAUSE** || during playback.

To start playback, press **PLAY** ▶.

DVD VCD

■ Playing frame by frame

Press **STEP** ◀II/II▶ repeatedly during playback.

Each time you press the button the picture advances one frame.
To resume normal playback, press **PLAY** ▶.

Note

Video CDs cannot be played frame by frame in reverse.

DVD VCD

■ To play in slow motion

Press **SLOW** ◀I/I▶ during playback.

Each press of the same button changes the playback speed.
To resume normal playback, press **PLAY** ▶.

Note

Video CDs cannot be played in slow motion reverse.

Notes

- The sound is muted during slow motion, still mode, and frame by frame playback.
- The playback speed may differ depending on the disc.
- Do not move the DVD Player during playback. Doing so may damage the disc.
- Use **OPEN/CLOSE** ▲ on the remote controller or DVD Player to open and close the disc tray. Do not touch the disc tray while it is moving. Doing so may cause the DVD Player to malfunction.
- Do not press down on the disc tray or put any objects other than playable discs on the disc tray. Doing so may cause the DVD Player to malfunction.

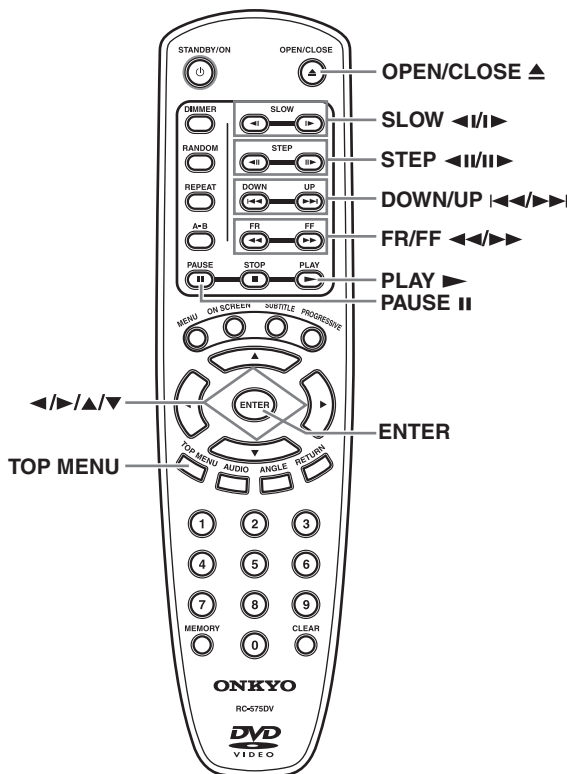
VCD

■ PBC function for Video CDs

When playing a Video CD equipped with PBC function, DVD Player will automatically enter the PBC on mode.

Press the **TOP MENU** button to turn PBC off.

Press again to turn on.

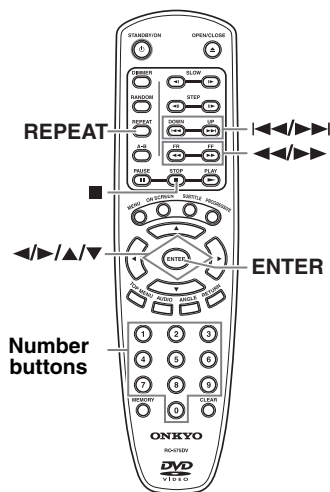


If the unit has displayed a menu on TV during DVD video playback, use ◀◀/▶▶/▲/▼ to select and set the desired items, then press **ENTER** to confirm the setting. If the unit has displayed a menu on TV during video CD playback, press the number buttons to select and set the desired item.

The operation may vary depending on the disc. Follow the instructions on the disc.

Basic Playback (MP3/WMA/JPEG)

The DV-SP302 can playback MP3/WMA/JPEG files recorded on CD-R or CD-RW.



Playing Back MP3/WMA/JPEG

- A certain amount of time is required for the player to confirm the media on which MP3/WMA/JPEG files have been recorded before playback will commence.

■ Playback

Press **PLAY** ►.

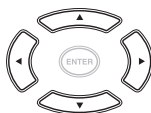
For JPEG discs:

Slide show starts. Press ■ to display the NAVI screen. Thumbnails may be displayed depending on the type of disc that is set.

Rotating a Picture (JPEG Files Only)

It is possible to rotate a picture.

During JPEG file playback, press ◀▶/▲/▼ on the remote controller.



Switching as shown below is done when the cursor buttons are pressed.

- button: 90° rotation in clockwise direction
- ◀ button: 90° rotation in counterclockwise direction
- ▲ button: Vertical mirror image
- ▼ button: Horizontal mirror image

Various Play Modes

- During stop mode, press **REPEAT** on the remote controller to select the play mode.



Each press switches the play mode.

→ FOLDER

Playback the folder that is selected.

REPEAT ONE

Repeat the file that is selected.

FOLDER REPEAT

Repeat the folder that is selected.

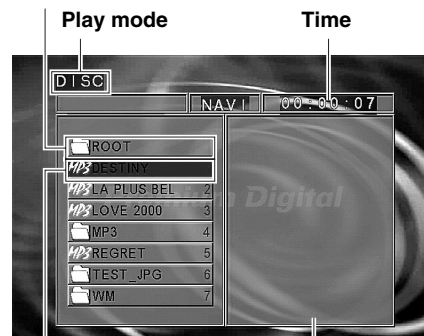
DISC

Playback all files on the disc.

DISC REPEAT

Repeat all files on the disc.

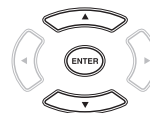
ROOT Folder



Selected file

Program window

- Press ▲/▼ on the remote controller to select the desired file, then press **ENTER** to start playback.



When JPEG files are displayed, the display is switched automatically from one file to the next. The switching speed differs according to the file size.

- To stop playback, press ■.

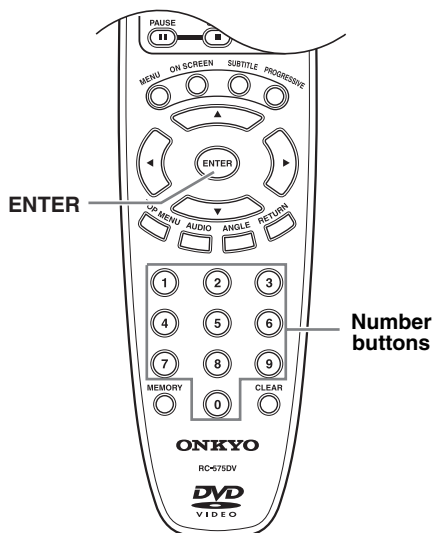


Note

When the play mode is FOLDER, FOLDER REPEAT, skipping to outside the folder being played by using ◀◀/▶▶ buttons is not possible.

Other Operations

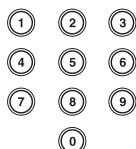
The following operations can be performed directly from the remote controller.



Locating a Specific Title/Chapter/Track/File by Entering the Numbers

DVD VCD CD

- 1 Press the number buttons to select the desired title No. or track No.



(Example) To select track No. 23: [2] [3]

When playing a DVD: Select the desired title number in advance.

TITLE 01/05 CHAPTER 001/002

To select a chapter, press ►, then use the number buttons to select the desired chapter.

TITLE 01/05 CHAPTER 001/002

- 2 Press ENTER.

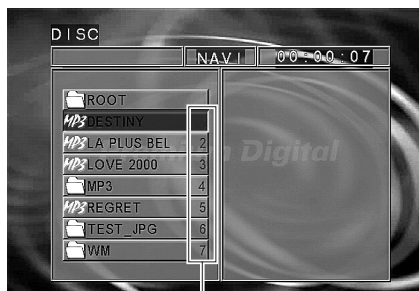
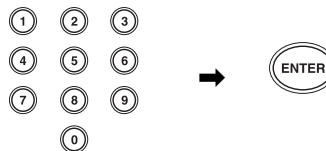


Note

When playing a PBC compatible Video CD with PBC on, you cannot use this function.
To use this function, turn PBC off by pressing **TOP MENU** first.

MP3 JPEG

Press the number buttons on the remote controller to enter the desired file number or folder number.



File numbers and folder numbers

(Example)

To select file No. 23: [2] [3]

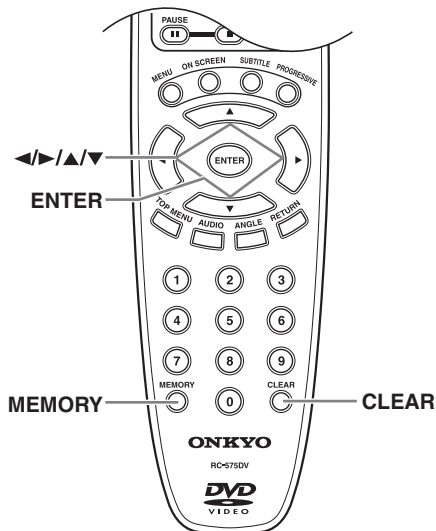
- When a folder is selected, the contents of the selected folder will be displayed.
- When a file is selected, playback of the selected file will start.

Note

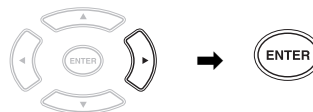
For selection of a number, refer to the file numbers on the NAVI screen.

The file numbers shown on the display of the main unit differ from the file numbers entered directly with the number buttons, as the numbers for each folder are displayed.

Other Operations



- 3 Select “ADD” icon on the screen to register selected value onto PROGRAM LIST, then press the ENTER button.



- 4 You can select a maximum of 21 values by repeating steps 2 - 3.

- 5 Select “PLAY” icon on the screen, then press ENTER to start program play.



VCD CD

Video CD/CD Program Playback

You can listen to the desired tracks of the current CD or Video CD in any desired order.

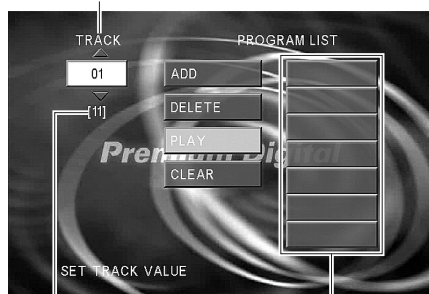
Program edit

- 1 During stop mode, press MEMORY.



Program edit screen appears.

Track No.



Number of tracks recorded on the disc

Program list

- The unit stops when the ■ button is pressed. To restart program playback, press the **MEMORY** button on the remote controller, display the program screen, select the “PLAY” icon, and press the **ENTER** button.

Insert track

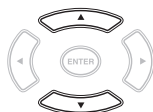
During stop mode, press the **MEMORY** button on the remote controller.

The program edit screen appears.

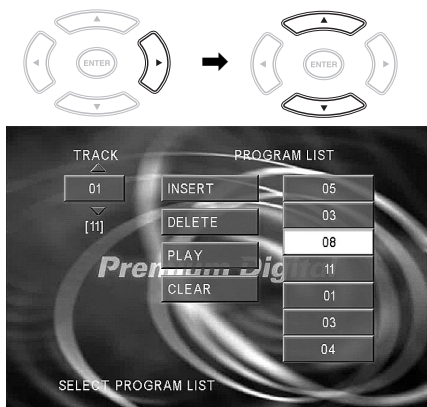
- 1 Select specific track to insert by pressing ▲/▼.



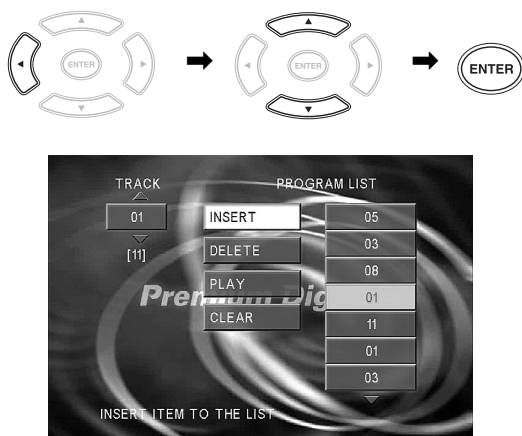
- 2 Select specific track by pressing ▲/▼.



- 2** Move the cursor with **▶** to the “PROGRAM LIST” and select the column to be added with **▲/▼** (The color of the column where the cursor is located will change).



- 3** Press **◀**, use **▲/▼** to move the cursors to the “INSERT” icon, and press **ENTER**.

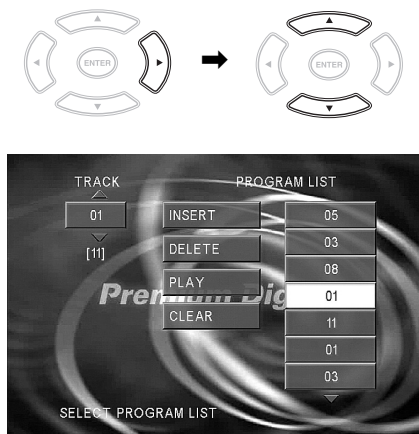


The new track will be inserted after (below) the selected column.

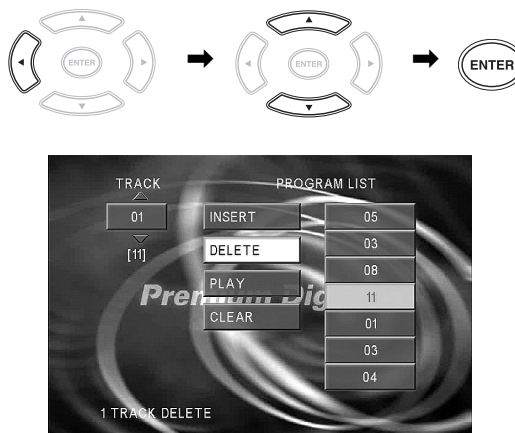
■ Delete program

During stop mode, press the **MEMORY** button on the remote controller

- 1** Move the cursor with **▶** to the “PROGRAM LIST” and select the column to be deleted with **▲/▼** (The color of the column where the cursor is located will change).



- 2** Press **◀**, use **▲/▼** to move the cursor to the “DELETE” icon, and press **ENTER**.



The selected value is deleted.

Note

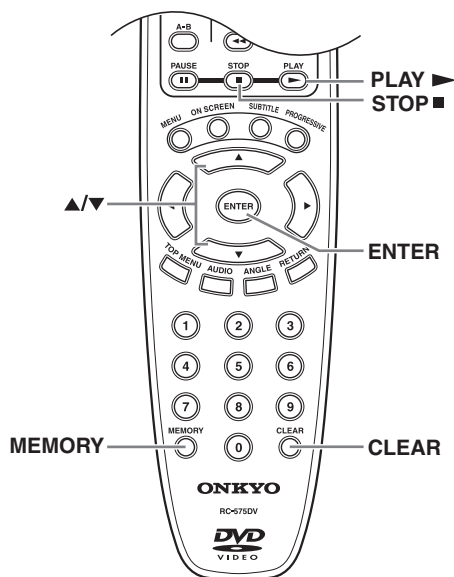
When playing a PBC compatible Video CD with PBC on, you cannot use this function.
To use this function, turn PBC off by pressing **TOP MENU** first.

■ Clear program list

In the following cases, the program list will be cleared.

1. When you open and close tray.
2. When you turn power off and on.
3. When you press the **CLEAR** button during display of the Program edit screen.

Other Operations



MP3 WMA JPEG

MP3/WMA/JPEG Program Playback

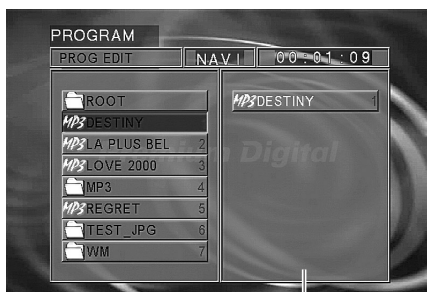
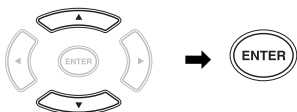
You can listen to the desired files of the current MP3/WMA/JPEG disc in any desired order.

■ Program edit

1 During stop mode, press MEMORY.



2 Press ▲/▼ to select the file, then press ENTER.



Program window

- The selected file goes to the program window.
- You can select a maximum of about 100 files by repeating step 2. However, note that the maximum number of programmable files depends on the total size of files on the MP3/WMA/JPEG disc and on the total number of characters used in the file and folder names.

Delete Program

During the program edit mode, press ▲/▼ in the program window, select the file to be deleted, and press **CLEAR**.

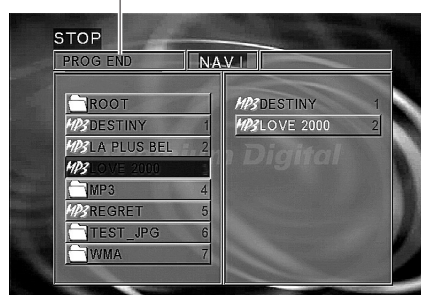


- After the ■ button has been pressed and the program has been confirmed, the program no longer can be changed.

3 Press ■ and confirm the program.



PROG END is displayed.



- After the ■ button has been pressed and the program has been confirmed, the program no longer can be changed.

4 Press ► to start program playback.

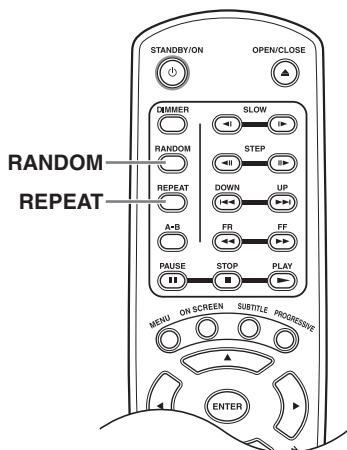
- Confirm that the cursor is at the position of a "file" and press the ► button. Playback is not possible when the cursor is at the position of a "folder."

Tip

All programs can be canceled by pressing the **MEMORY** button during stop in the program mode. All programs also can be canceled by opening the disc tray.

Note

Program repeat play is not available with MP3/WMA/JPEG discs.



VCD CD MP3

Random Play

The chapters or tracks of the disc are played in random order.

Press RANDOM while stopped.
RANDOM indicator lights up.

■ To cancel random play

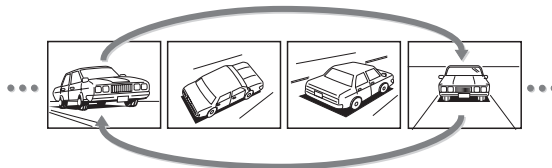
Press **RANDOM** while stopped so that RANDOM indicator goes off.
Each time you press **RANDOM**, random play will be on and off.

Notes

- You cannot play DVDs in random order.
- When playing a PBC compatible Video CD with PBC on, you cannot use this function.
To use this function, turn PBC off by pressing **TOP MENU** first.
- In Random play, Reverse skip is not possible. You can only skip forward.

DVD VCD CD

Repeat Play



Desired disc or title can be played back repeatedly.

Press REPEAT repeatedly.

Each time you press **REPEAT**, the repeat option changes.

At the time of DVD playback

- CHAPTER REPEAT ON Repeats the current chapter.
- ↓
- TITLE REPEAT ON Repeats the current title.
- ↓
- REPEAT OFF Resumes normal playback.

At the time of Video CD/CD playback

- REPEAT ONE Repeats the current track.
- ↓
- REPEAT ALL Repeats the entire disc.
- ↓
- REPEAT OFF Resumes normal playback.

Note

With DVD, the **REPEAT** button functions only for playback.

■ To cancel repeat play

Press **REPEAT** so that REPEAT indicator goes off.

Notes

- When playing a PBC compatible Video CD with PBC on, you cannot use this function.
To use this function, turn PBC off by pressing **TOP MENU** first.
- With some DVDs, repeat playback may not be possible.
- For playing MP3, WMA or JPEG files repeatedly, see page 20.

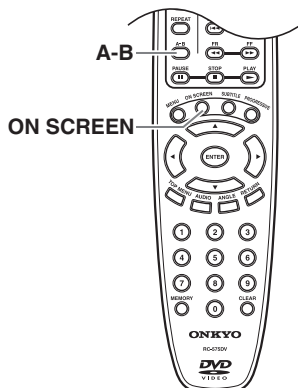
■ To repeat program play

During program playback, press the **REPEAT** button on the remote controller.

Each press of the button switches the mode.

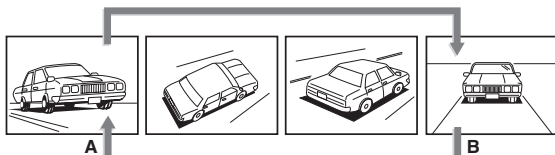
- REPEAT ONE
- REPEAT ALL
- REPEAT OFF

Other Operations



DVD VCD CD

A-B Repeat Play



The A-B repeat function lets you mark a segment to repeat between the beginning "A" and the end "B" of the segment you want to replay.

- 1 Press A-B when you want to choose a scene (sound) as the beginning point.



- 2 Press A-B again to choose a scene (sound) as the end point.



The DVD Player automatically returns to point A and starts repeat playback of the selected segment (A-B).

To cancel A-B Repeat play

Press **A-B** so that REPEAT and A-B indicators go off to display "A TO B CANCELLED."

Note

Repeat A-B will not function for segments under 3 seconds.

DVD VCD CD

Viewing Information

You can view information about a disc on the TV screen.

Press ON SCREEN during playback.



Each time you press **ON SCREEN**, the on screen display on the TV screen changes as follows.

DVDs:

→ **Title number and chapter number display.**

Example: TITLE 01/03 CHAPTER 07/20
00:10:12 (elapsed time of the title)

↓
TITLE REMAIN

Remaining time of the title being played.

↓
CHAPTER ELAPSED

Elapsed time of the chapter being played.

↓
CHAPTER REMAIN

Remaining time of the chapter being played.

↓
OFF

CD/Video CDs:

→ **SINGLE ELAPSED**

Elapsed time of the track being played.

↓
SINGLE REMAIN

Remaining time of the track being played.

↓
TOTAL ELAPSED*

Elapsed time of the disc being played.

↓
TOTAL REMAIN*

Remaining time of the disc being played.

↓
OFF

Items marked by * are not displayed in PBC mode for Video CDs.

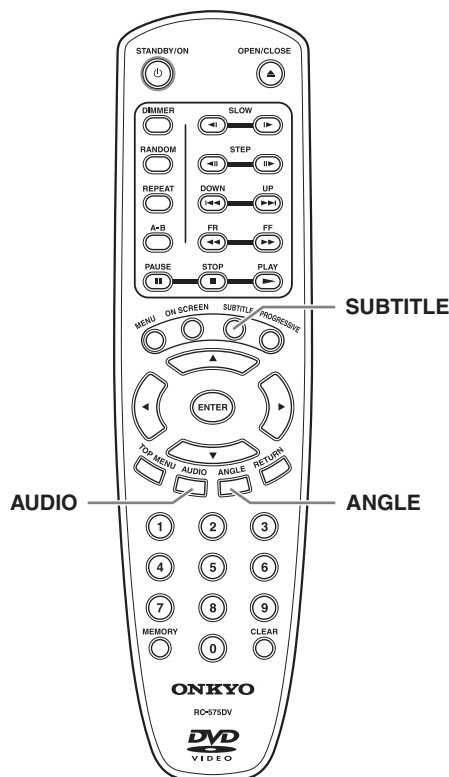
Notes

- Some DVD videos may not display the chapter number or elapsed time.
- The displayed time information cannot be changed in pause mode.
- The displayed information cannot be changed while a menu or the top menu is displayed.

DVD Settings

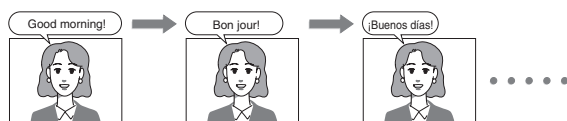
The following operations can be performed directly from the remote controller.

- Selecting a Playback Audio Setting
- Changing the Subtitle Language
- Changing the Camera Angle



DVD>

Selecting a Playback Audio Setting



You can select the preferred audio language and sound system as a set from those included on the disc. This function lets you temporarily change the audio language that you selected as the automatic setting in the setting menu (see page 30), and choose the sound system if the disc is recorded in more than one sound format.

Press AUDIO on the remote controller repeatedly during playback to select the audio language.



Notes

- Before changing the setting, read through the explanation on “DIGITAL OUT” on page 29 and carefully select the setting.
- Depending on the disc, it may be necessary to select the audio sound track using the DVD menu. When this is the case, press

MENU to open the DVD menu and select the appropriate sound track as indicated on the DVD menu screen.

- When you turn on the DVD Player or replace a disc, the DVD Player returns to the automatic setting in the setting menu (see page 30).
- Depending on the disc, pressing **AUDIO** may display a disc menu. For more details, refer to the instruction notes on the disc.

DVD>

Changing the Subtitle Language



You can display subtitles on the TV screen and select a subtitle language from among those included on the DVD video.

Press SUBTITLE on the remote controller repeatedly during playback to select the subtitle language.

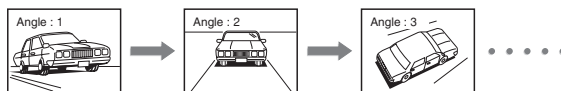


Notes

- When you turn on the DVD Player or replace a disc, the DVD Player returns to the automatic setting in the setting menu (see page 30).
- During some scenes, the subtitles may not appear immediately after you change the subtitle setting.
- Some DVD videos are set to display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- Depending on the disc, pressing **SUBTITLE** may display a disc menu. For more details, refer to the instruction notes on the disc.

DVD>

Changing the Camera Angle

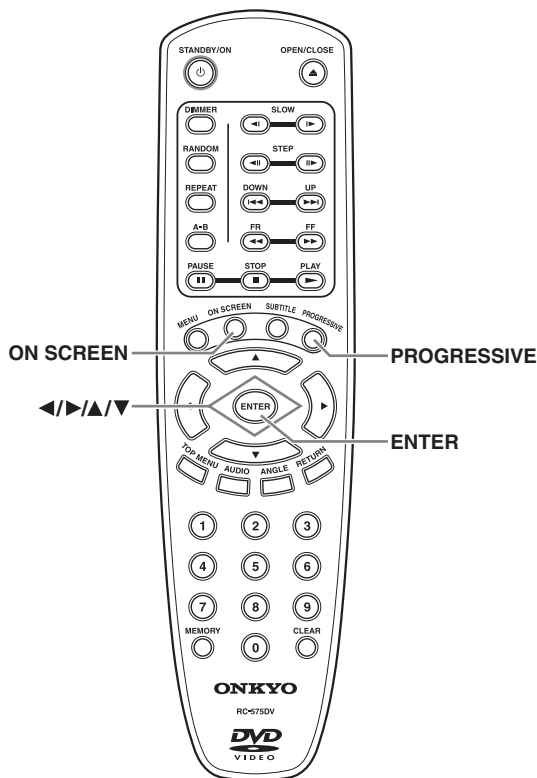


If the scene was recorded from multiple angles, you can easily change the camera angle of the scene you are watching.

Press ANGLE on the remote controller repeatedly during playback to select camera angle.



Customizing the Function Settings



Progressive Setting

When component video connection is used to connect this player and TV is compatible with progressive, you can enjoy progressive video images.

1 Press PROGRESSIVE.



■ To restore the Interlace mode

Press **PROGRESSIVE**.

Note

- The PROGRESSIVE function cannot be enabled when a disc containing MP3, WMA or JPEG format data files is inserted into the DV-SP302.
- When your TV is not compatible with progressive mode, the picture may be distorted.

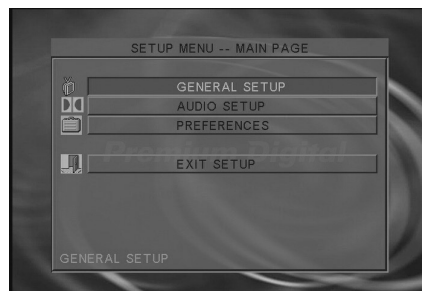
When you insert a DVD video, Video CD, or audio CD, the various functions of the DVD Player will be set (reset) according to the SETUP MENU. You can customize this setting menu according to your preferences.

Setting Steps

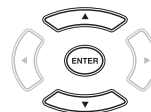
1 Press ON SCREEN during stop mode.



The SETUP MENU appears.



2 Press ▲/▼ to select a category, then press ENTER.

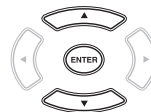


Remove the disc to customize the PREFERENCES settings.

3 Press ▲/▼ to select the item, then press ►.



4 Press ▲/▼ to select the setting, then press ENTER.



To move the cursor to the item column, press ◀.

5 Further steps may be needed depending on the item or setting. Follow the steps described in the explanation of each item starting from page 29.

To return to the MAIN PAGE

Press ◀▶, ▲/▼ to select the main page, then press **ENTER** or press **RETURN**.

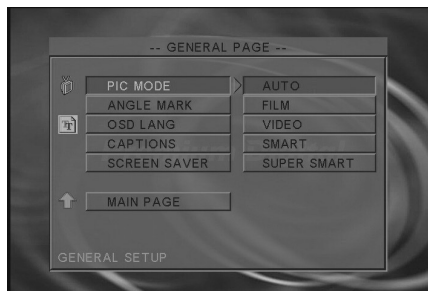
To clear the setting menu

Press ▲/▼, then select "EXIT SETUP" or press **ON SCREEN**.

Note

When a TV screen is not displayed, the "TV TYPE" setting may not be suitable for your TV (see page 30).

General Setup






PIC MODE

This adjusts the screen quality according to the material being played back.

- **AUTO**
The picture quality is adjusted automatically.
- **FILM**
Choose this setting to reproduce the picture quality of film material.
- **VIDEO**
Choose this setting to reproduce the picture quality of video material.
- **SMART**
Choose this setting to reproduce progressive and interlaced materials with limited motion.
- **SUPER SMART**
Choose this setting to reproduce progressive and interlaced materials with motion (motion adaptive deinterlacing).

ANGLE MARK

- **ON**
When a picture recorded in different angles is played back,  is displayed on the screen.
- **OFF**
 is not displayed on the screen ( is displayed when the camera angle is changed).

OSD LANG

Select the On Screen Display language.

Chinese model:

- **CHINESE**
- **ENGLISH**

Other models:

- **ENGLISH**
- **FRENCH**
- **SPANISH**

CAPTIONS (NTSC only)

Some DVD videos contain special subtitles, an enhancement of closed captions for hearing impaired persons. The DVD Player automatically displays these special subtitles by setting this item to [ON].

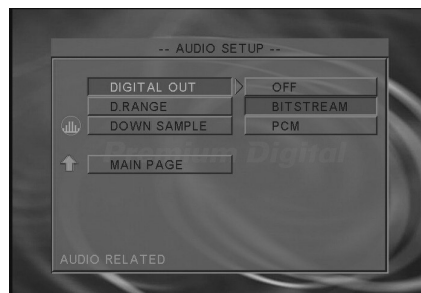
- **ON**
The extended subtitles are displayed automatically.
- **OFF**
The extended subtitles are not displayed.

SCREEN SAVER

If you pause a picture for a long time, the screen saver automatically operates by setting this item to [ON].

- **ON**
The screen saver is enabled.
- **OFF**
The screen saver is disabled.

Audio Setup



DIGITAL OUT

OFF ⇔ **BITSTREAM** ⇔ **PCM**

Selects whether the digital output of the DV-SP302 will output the PCM signal only, the PCM and other signals, or no digital signals at all.

D. RANGE

ON ⇔ **OFF**

When the setting is [ON], soft sounds such as dialog can be heard more clearly without making loud sounds even louder. When the setting is set to [OFF], there is no effect on the audio source.

Notes

- Dynamic Range is only effective with Dolby Digital audio sources.
- The level may differ depending on the DVD.
- The effect depends on your speakers and AV amplifier settings.

DOWN SAMPLE

ON (48K) ⇔ **OFF (96K)**

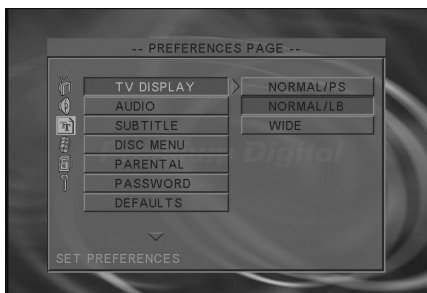
If your AV amplifier (or other connected component) is compatible with high sampling rates (96 kHz), set this to [OFF (96K)], otherwise set it to [ON (48K)] (96 kHz audio is converted to a more compatible 48 kHz). Check the manual that came with the other component if you are unsure whether it is 96 kHz compatible.

Note

- On DVDs that contain copy protection, the 96 kHz signal may only be output from the analog audio jacks.
- The DTS96/24 source will be forced to be output in 48 kHz.

Customizing the Function Settings

Preferences



TV DISPLAY

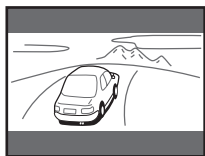
- **NORMAL/PS (Pan Scan)**

Select when a 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off. This function is only available when using a disc that supports Pan Scan.



- **NORMAL/LB (Letter Box)**

Select when a 4:3 TV is connected. Displays wide screen images with masking bars above and below the picture.



- **WIDE**

Select when a 16:9 wide TV is connected.



Notes

- The displayable picture size is preset on each DVD video. Therefore, the playback picture of some DVD videos may not conform to the picture size you select.
- When you play a DVD video recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select [WIDE] and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Make sure the TV shape conforms to the actual TV in use.

TV TYPE (not on American model)

You can set the Video Standard with this option.

MULTI SYSTEM: The player automatically selects NTSC or PAL depending on the disc.

NTSC: Outputs the NTSC signal only.

PAL: Outputs the PAL signal only.

AUDIO

Select the audio language.

- **ENGLISH**
- **FRENCH**
- **SPANISH**
- **CHINESE**
- **JAPANESE**
- **OTHERS**

To select other language

1. Select [OTHERS] and press the **ENTER** button.
2. Input a 4-digit code by pressing the number buttons on the remote controller (DVD Menu Language Code List, page 32).
3. Press the **ENTER** button.

Note

Depending on the disc, a language recorded on the disc may be given priority and selected automatically when the disc is loaded regardless of the setting.

SUBTITLE

Select the subtitle language.

- **ENGLISH**
- **FRENCH**
- **SPANISH**
- **CHINESE**
- **JAPANESE**
- **OTHERS**
- **OFF**

To disable subtitles.

To select other language

1. Select [OTHERS] and press the **ENTER** button.
2. Input a 4-digit code by pressing the number buttons on the remote controller (DVD Menu Language Code List, page 32).
3. Press the **ENTER** button.

Notes

- Some DVD videos may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.
- Some DVD videos allow you to change subtitle selections only via the disc menu. If this is the case, press **MENU** and choose the appropriate subtitle language from the selection on the disc menu.

DISC MENU

Select the disc menu language.

- **ENGLISH**
- **FRENCH**
- **SPANISH**
- **CHINESE**
- **JAPANESE**
- **OTHERS**

To select other language

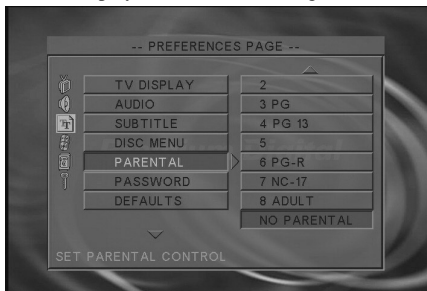
1. Select [OTHERS] and press the **ENTER** button.
2. Input a 4-digit code by pressing the number buttons on the remote controller (DVD Menu Language Code List, page 32).
3. Press the **ENTER** button.

Note

Some DVD videos may not include your pre-selected language. In this case, the DVD Player automatically displays disc menus consistent with the disc's initial language setting.

PARENTAL

DVD videos equipped with a parental lock function are rated according to their content. The content allowed by a parental lock level and the way a DVD video can be controlled may vary from disc to disc. For example, some discs allow you to edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc altogether.



Change the Parental Level according to the settings printed on the DVD disc jacket or accompanying documentation. If you do not want to use Parental Level, select [NO PARENTAL].

To change the parental lock level

1. Select the parental lock level, then press **ENTER**.
2. Press the number buttons to enter the password (4-digit number), then press **ENTER** (When you enter the wrong password, press **RETURN** to return to the main page).

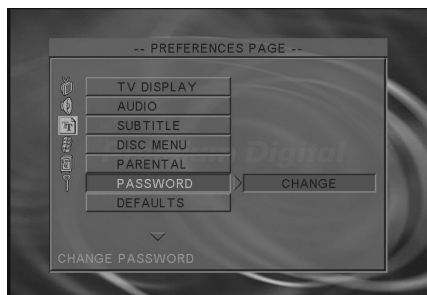
Note

DVD videos may or may not respond to the parental lock settings. This is not a defect in the DVD Player. Make sure this function works with your DVD videos.

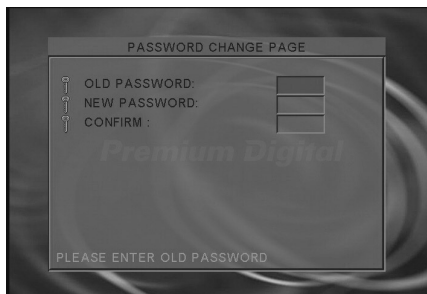
PASSWORD

• CHANGE

The password for PARENTAL is changed.



To change the password



1. Press the number buttons to enter old password, then press **ENTER**.
2. Press the number buttons to create a new 4-digit password, then press **ENTER**.

3. Press the number buttons to enter the new password, then press **ENTER**.

Notes

- The password is set to "0000" by the initial setting.
- Be sure not to forget your password.
- You cannot change the password without the current password.
- If you forget your password, reset this unit (see page 34).

DEFAULTS

• RESET

Resets all settings other than PASSWORD to the factory settings.

DVD Menu Language Code List

Code No.	Language
1027	Afar
1028	Abkhazian
1032	Afrikaans
1039	Amharic
1044	Arabic
1045	Assamese
1051	Aymara
1052	Azerbaijani
1053	Bashkir
1057	Byelorussian
1059	Bulgarian
1060	Bihari
1069	Bislama
1066	Bengali; Bangla
1067	Tibetan
1070	Breton
1079	Catalan
1093	Corsican
1097	Czech
1103	Welsh
1105	Danish
1109	German
1130	Bhutani
1142	Greek
1144	English
1145	Esperanto
1149	Spanish
1150	Estonian
1151	Basque
1157	Persian
1165	Finnish
1166	Fiji
1171	Faeroese
1174	French
1181	Frisian
1183	Irish
1186	Scots Gaelic
1194	Galician
1196	Guarani
1203	Gujarati
1209	Hausa
1217	Hindi
1226	Croatian
1229	Hungarian
1233	Armenian
1235	Interlingua

Code No.	Language
1239	Interlingue
1245	Inupiak
1248	Indonesian
1253	Icelandic
1254	Italian
1257	Hebrew
1261	Japanese
1269	Yiddish
1283	Javanese
1287	Georgian
1297	Kazakh
1298	Greenlandic
1299	Cambodian
1300	Kannada
1301	Korean
1305	Kashmiri
1307	Kurdish
1311	Kirghiz
1313	Latin
1326	Lingala
1327	Laothian
1332	Lithuanian
1334	"Latvian, Lettish"
1345	Malagasy
1347	Maori
1349	Macedonian
1350	Malayalam
1352	Mongolian
1353	Moldavian
1356	Marathi
1357	Malay
1358	Maltese
1363	Burmese
1365	Nauru
1369	Nepali
1376	Dutch
1379	Norwegian
1393	Occitan
1403	(Afan) Oromo
1408	Oriya
1417	Punjabi
1428	Polish
1435	"Pashto, Pushto"
1436	Portuguese
1463	Quechua
1481	Rhaeto-Romance

Code No.	Language
1482	Kirundi
1483	Romanian
1489	Russian
1491	Kinyarwanda
1495	Sanskrit
1498	Sindhi
1501	Sangro
1502	Serbo-Croatian
1503	Shinghalese
1505	Slovak
1506	Slovenian
1507	Samoa
1508	Shona
1509	Somali
1511	Albanian
1512	Serbian
1513	Siswati
1514	Sesotho
1515	Sundanese
1516	Swedish
1517	Swahili
1521	Tamil
1525	Tegulu
1527	Tajik
1528	Thai
1529	Tigrinya
1531	Turkmen
1532	Tagalog
1534	Setswana
1535	Tonga
1538	Turkish
1539	Tsonga
1540	Tatar
1543	Twi
1557	Ukrainian
1564	Urdu
1572	Uzbek
1581	Vietnamese
1587	Volapuk
1613	Wolof
1632	Xhosa
1665	Yoruba
1684	Chinese
1697	Zulu

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service. Refer also to the respective instruction manuals of the connected components and TV.

DVD Player

Symptoms	Causes	Remedies	Pages
The DVD Player doesn't switch on.	<ul style="list-style-type: none"> The power cord is disconnected. The main power is set to OFF. There is external noise in the computer circuits of the DVD Player. The AC fuse is blown. 	<ul style="list-style-type: none"> Check the connection of the power cord. Turn on the main power. Switch off the main power, then switch it on again. If not recovered, disconnect the power cord, then connect it again. Contact your nearest Onkyo service center. 	17 17 17 -
The DVD Player doesn't start playback.	<ul style="list-style-type: none"> No disc is inserted. The region number of the disc does not match that of the DVD Player. An unplayable disc is inserted. The disc is placed upside down. The disc is not placed within the disc tray guide. The disc is dirty. The parental lock function is activated. 	<ul style="list-style-type: none"> Open the disc tray and insert a disc. See Regional Restriction Codes (Region Number) on the rear panel. Check the playable discs. Place the disc with the playback side down. Place the disc within the proper guide on the disc tray. Eject the disc and clean it. Deactivate the parental lock function or change the parental lock level. 	18 4 6, 7 18 18 8 31
Brightness is unstable or noise is visible on the playback picture.	<ul style="list-style-type: none"> Copy protection is activated. The TV is not compatible with progressive scan signal. You attempt to view the PAL disc in a NTSC compatible TV or to view the NTSC disc in a PAL compatible TV. 	<ul style="list-style-type: none"> Connect the DVD Player directly to the TV. Avoid connecting the DVD Player to the TV through a VCR. Press PROGRESSIVE to restore the Interlace mode. Select the PAL or NTSC format in the setting menu under Preferences and play a disc compatible with the format set for the DV-SP302. 	14-15 28 30
The playback picture is occasionally distorted.	<ul style="list-style-type: none"> The disc is dirty. It is in fast forward or fast reverse playback. The disc does not meet the standard. 	<ul style="list-style-type: none"> Eject the disc and clean it. Sometimes a small amount of picture distortion may appear. This is not a malfunction. See "Notes on Discs." 	8 - 6-8
Playback doesn't follow the course of the disc's programs.	<ul style="list-style-type: none"> The DVD Player is in repeat playback mode, memory playback mode, or random playback mode, etc. 	<ul style="list-style-type: none"> Resume normal playback. 	22-26
The picture from the DVD Player doesn't appear on the TV screen.	<ul style="list-style-type: none"> The TV is not set to the DVD Player's input. The DVD Player is not properly connected. While in the progressive mode, the signal will not be output from the composite and S-video terminals. 	<ul style="list-style-type: none"> Set the TV to the DVD Player's input. Check the connections to the DVD Player. Press the PROGRESSIVE button to switch to the interlace mode, or connect the TV that supports the progressive format using the COMPONENT terminals. 	- 14-16 28
No sound or inaccurate sound is reproduced.	<ul style="list-style-type: none"> A wrong sound signal conversion method (DIGITAL OUT) is selected. The TV is not set to the DVD Player's input. The DVD Player is not properly connected. The system is in fast forward, rewind or slow motion play mode. The disc does not meet the standard. 	<ul style="list-style-type: none"> Check the current sound signal conversion method, and select the right setting for "DIGITAL OUT." Set the TV to the DVD Player's input. Check the connections to the DVD Player. Resume normal playback. See "Notes on Discs." 	29 - 14-16 19 6-8
The buttons on the remote controller and DVD Player do not operate.	<ul style="list-style-type: none"> Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operation. 	<ul style="list-style-type: none"> Switch off the main power, then switch it on again. If not recovered, disconnect the power cord, then connect it again. 	17

Troubleshooting





Remote Controller

Symptoms	Causes	Remedies	Pages
The buttons on the DVD Player operate but the buttons on the remote controller do not operate.	• No batteries are inserted in the remote controller.	• Insert new batteries.	13
	• The batteries are worn out.	• Replace with new batteries.	13
	• The remote controller is not pointed at the remote sensor of the DVD Player.	• Point the remote controller at the remote sensor of the DVD Player.	13
	• The remote controller is too far from the DVD Player.	• Operate the remote controller within 5 m (16 feet).	13

Because the unit contains a microcomputer to provide advanced functions, it may malfunction due to external noise or static electricity. If this happens, press the POWER switch on the unit and then press it again after about five seconds.

In case you forgot the password

Set the initial setup to the factory setup with the following procedure.

1. Press **Open/Close**  to open the disc tray.
2. Press and hold  button on the DV-SP302 more than 3 seconds.
3. While holding  button, press  **STANDBY/ON** button on the remote controller simultaneously.
4. Press **POWER** to switch off the main power.

Onkyo is not responsible for damages (such as CD rental fees) due to unsuccessful recordings caused by the unit's malfunction. Before you record important data, make sure that the material will be recorded correctly.

Specifications

■ DVD Player

Power supply	AC 120 V, 60 Hz (North America models) AC 100-240 V, 50/60 Hz (Other models)
Power consumption	16 W
Weight	6.6 lbs, 3.0 kg
External dimensions (W × H × D)	17-1/8" x 3-3/16" × 11-1/8" 435 × 82 × 283 mm
Signal system	PAL/NTSC
Frequency response	Digital output 4 Hz to 22 kHz (48 kHz sampling) DVD linear sound 4 Hz to 44 kHz (96 kHz sampling)
Signal-to-noise ratio (digital output)	More than 90 dB
Audio dynamic range (digital output)	More than 90 dB
Harmonic distortion (digital output)	Less than 0.008%
Wow and flutter	Below measurable level

■ Outputs

Video output	1.0 V (p-p), 75 Ω , negative sync., pin jack
S-video output	(Y) 1.0 V (p-p), 75 Ω , negative sync., (C) 0.286 V (p-p), 75 Ω , Mini DIN 4-pin PAL: (C) 0.300 V (p-p)
Component video output	(Y) 1.0 V (p-p), 75 Ω , negative sync., (P _B)/(P _R) 0.7 V (p-p), 75 Ω , pin jack
Audio output	Optical digital output -22.5 dBm, optical connector Coaxial digital output 0.5 V (p-p), 75 Ω , pin jack Analog output 2.0 V (rms), 100 Ω , pin jack (L, R)

Specifications and features are subject to change without notice.

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